

IN THE CLAIMS:

Please cancel claims 1, 2, 9 and 20 without prejudice or disclaimer, and amend claims 6-8, 10-18, 26, 32, 38, 44, 50, 56, 62, 68 and 74 as follows:

1-2. (Cancelled)

3. (Original) A display device comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode;

wherein each of said thin-film type electron sources is provided between adjacent ones of stripe-shaped upper bus electrodes at least in an image display area;

wherein said upper electrode formed as a film in said image display area is connected to one of said upper bus electrodes in a corresponding pixel, and separated from other upper bus electrodes in adjacent pixels, so that individual pixels are separated from each other.

4. (Original) A display device comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode;

wherein each of said thin-film type electron sources is provided between adjacent ones of stripe-shaped upper bus electrodes at least in an image display area;

wherein a film of said upper electrode formed in said image display area is connected to one of said upper bus electrodes in a corresponding pixel, and separated from other upper bus electrodes in adjacent pixels due to a step of an appendice structure formed on one side surface of said upper bus electrode. in said corresponding pixel, so that individual pixels are separated from each other.

5. (Previously Presented) A display device according to Claim 3, wherein said stripe-shaped upper bus electrodes are formed one by one per pixel in accordance with a pitch of pixels, and each of said stripe-shaped upper bus electrodes has not only a function as said upper bus electrode for feeding power to said upper electrode but also a function as an electrode for giving potential to spacers inserted between said cathode substrate and said fluorescent screen substrate for supporting said two substrates.
6. (Currently Amended) A display device comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode;

wherein each of said thin film type electron sources is provided between a stripe-shaped upper bus electrode and a stripe-shaped [[space]] spacer electrode at least in an image display area;

wherein said upper electrode formed as a film in said image display area is connected to said upper bus electrode and separated from said spacer electrode;

wherein said upper electrode is isolated from said spacer electrode and said upper bus electrodes of said thin film type electron sources present in adjacent rows (or columns);

wherein spacers for supporting said cathode substrate and said fluorescent screen substrate therebetween are disposed on said spacer electrode.

7. (Currently Amended) A display device comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, [[,]]said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode;

wherein each of said thin film type electron sources is provided between a stripe-shaped upper bus electrode and a stripe-shaped spacer electrode at least in an image display area;

wherein said upper electrode formed as a film in said image display area is connected to said upper bus electrode and separated from said spacer electrode by a step of an apprentice structure formed in a side surface of said spacer electrode;

wherein said upper electrode is isolated from said spacer electrode and said upper bus electrodes of said thin film type electron sources present in adjacent rows (or columns);

wherein spacers for supporting said cathode substrate and said fluorescent screen substrate therebetween are disposed on said spacer electrode.

8. (Currently Amended) A display device comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film[[.]] type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode;

wherein each of said thin film type electron sources is provided between stripe-shaped first and second upper bus electrodes at least in an image display area;

wherein said upper electrode formed as a film in said image display area is;

connected to said first and second upper bus electrodes;

wherein a stripe-shaped third electrode is further provided at least in said image display area so as to be formed in parallel with said first and second upper bus electrodes;

wherein said upper electrode is separated by a step of an appentice structure formed in a side surface of said third electrode, and isolated from said upper bus electrodes of said thin film type electron sources present in adjacent rows (or columns);

wherein spacers for supporting said cathode substrate and said fluorescent screen substrate therebetween are disposed on said third electrode.

9. (Cancelled)

10. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode, wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.

11. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer

retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.

12. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.

13. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen

substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.

14. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.

15. (Currently Amended) A display device according to Claim 1, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode, wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
16. (Currently Amended) A display device according to Claim 1, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode, wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to

separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.

17. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode, wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.

18. (Currently Amended) A display device according to Claim 1, comprising:

a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode, wherein one of said lower electrode and an upper bus electrode is a stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.

19. (Previously Presented) A display device according to Claim 4, wherein said stripe-shaped upper bus electrodes are formed one by one per pixel in accordance with a pitch of pixels, and each of said stripe-shaped upper bus electrodes has not only a function as said upper bus electrode for feeding power to said upper electrode but also a function as an electrode for giving potential to spacers inserted between said cathode substrate and said fluorescent screen substrate for supporting said two substrates.
20. (Cancelled)
21. (Previously Presented) A display device according to Claim 3, wherein said upper bus electrode includes a non-stripe-shaped portion outside said image display area.
22. (Previously Presented) A display device according to Claim 4, wherein said upper bus electrode includes a non-stripe-shaped portion outside said image display area.
23. (Previously Presented) A display device according to Claim 6, wherein said upper bus electrode includes a non-stripe-shaped portion outside said image display area.
24. (Previously Presented) A display device according to Claim 7, wherein said upper bus electrode includes a non-stripe-shaped portion outside said image display area.
25. (Previously Presented) A display device according to Claim 8, wherein said upper bus electrode includes a non-stripe-shaped portion outside said image display area.
26. (Currently Amended) A display device ~~according to Claim 2, comprising:~~
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron

sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.

27. (Previously Presented) A display device according to Claim 3, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.
28. (Previously Presented) A display device according to Claim 4, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.
29. (Previously Presented) A display device according to Claim 6, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.
30. (Previously Presented) A display device according to Claim 7, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.
31. (Previously Presented) A display device according to Claim 8, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode has a laminated film structure of at least two layers of metal thin films.
32. (Currently Amended) A display device according to ~~Claim 2~~, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen

substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and

wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.

33. (Previously Presented) A display device according to Claim 3, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.
34. (Previously Presented) A display device according to Claim 4, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.
35. (Previously Presented) A display device according to Claim 6, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.
36. (Previously Presented) A display device according to Claim 7, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.
37. (Previously Presented) A display device according to Claim 8, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals.

38. (Currently Amended) A display device according to Claim 2, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.
39. (Previously Presented) A display device according to Claim 3, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.
40. (Previously Presented) A display device according to Claim 4, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.
41. (Previously Presented) A display device according to Claim 6, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower

film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.

42. (Previously Presented) A display device according to Claim 7, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.
43. (Previously Presented) A display device according to Claim 8, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals.
44. (Currently Amended) A display device according to Claim 2, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.

45. (Previously Presented) A display device according to Claim 3, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.
46. (Previously Presented) A display device according to Claim 4, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.
47. (Previously Presented) A display device according to Claim 6, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.
48. (Previously Presented) A display device according to Claim 7, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.
49. (Previously Presented) A display device according to Claim 8, wherein each of said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode is formed out of at least three metal films in which Cu is put between other metals, and a lower film and an upper film of said at least three metal films are made of Al, Cr, W, Mo, or an alloy of those metals, while said upper film of said at least three metal films is thicker than said lower film.

50. (Currently Amended) A display device according to Claim 2, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.
51. (Previously Presented) A display device according to Claim 3, wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.
52. (Previously Presented) A display device according to Claim 4, wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.
53. (Previously Presented) A display device according to Claim 6, wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.
54. (Previously Presented) A display device according to Claim 7, wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as scanning lines for matrix driving of said display panel.
55. (Previously Presented) A display device according to Claim 8, wherein said stripe-shaped upper bus electrode and said stripe-shaped spacer electrode are used as

scanning lines for matrix driving of said display panel.

56. (Previously Presented) A display device according to Claim 2, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
57. (Previously Presented) A display device according to Claim 3, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
58. (Previously Presented) A display device according to Claim 4, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
59. (Previously Presented) A display device according to Claim 6, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
60. (Previously Presented) A display device according to Claim 7, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
61. (Previously Presented) A display device according to Claim 8, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing.
62. (Currently Amended) A display device ~~according to Claim 2, comprising:~~
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and

a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped
electrodes in an image display area where said array of thin-film type electron sources
of said display panel are disposed in a matrix, said upper bus electrode being provided
to feed power to said upper electrode, and

wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.

63. (Previously Presented) A display device according to Claim 3, wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.
64. (Previously Presented) A display device according to Claim 4, wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.
65. (Previously Presented) A display device according to Claim 6, wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.
66. (Previously Presented) A display device according to Claim 7, wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an appentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.

67. (Previously Presented) A display device according to Claim 8, wherein a thin film portion of said upper bus electrode is comprised of at least two films, having a step structure to connect with said upper electrode on one side surface of wiring of said upper bus electrode, and having an apprentice structure to separate said upper electrode on the opposite side surface of said wiring of said upper bus electrode.
68. (Currently Amended) A display device ~~according to Claim 2, comprising:~~
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.
69. (Previously Presented) A display device according to Claim 3, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.
70. (Previously Presented) A display device according to Claim 4, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.
71. (Previously Presented) A display device according to Claim 6, wherein said stripe-

shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.

72. (Previously Presented) A display device according to Claim 7, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.

73. (Previously Presented) A display device according to Claim 8, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag.

74. (Currently Amended) A display device according to Claim 2, comprising:
a display panel comprised of a cathode substrate and a fluorescent screen substrate, said cathode substrate including an array of thin-film type electron sources each having a lower electrode, an upper electrode and an electron accelerating layer retained between said lower electrode and said upper electrode, each of said electron sources radiating electrons from said upper electrode in response to a voltage applied between said lower electrode and said upper electrode, said fluorescent screen substrate including a fluorescent screen in which phosphors excited by said electrons to thereby emit light are formed; and
a drive circuit for driving said lower electrode and said upper electrode,
wherein both said lower electrode and an upper bus electrode are stripe-shaped electrodes in an image display area where said array of thin-film type electron sources of said display panel are disposed in a matrix, said upper bus electrode being provided to feed power to said upper electrode, and
wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.

75. (Previously Presented) A display device according to Claim 3, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by

sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.

76. (Previously Presented) A display device according to Claim 4, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.
77. (Previously Presented) A display device according to Claim 6, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.
78. (Previously Presented) A display device according to Claim 7, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.
79. (Previously Presented) A display device according to Claim 8, wherein said stripe-shaped upper bus electrode is formed out of a laminated film of a thin film formed by sputtering and a conductive thick film formed by printing, and said conductive thick film is an electrode containing Ag, while said upper bus electrode is used as a scanning line for matrix driving.